

IN THE TITLE

Please substitute the following title:

a1 { --LENS UNIT WITH LOCAL CONTROL BY THE LENS UNIT OR
REMOTE CONTROL BY A CAMERA UNIT AND WITH DETECTING OF SIGNAL FROM
CAMERA UNIT--.

IN THE SPECIFICATION

Please insert the following paragraph at page 1, after line 8.

a2 { --The lens unit of the present invention solves the problem wherein when a
lens unit with a digital serial interface was connected to a camera unit without the interface, there
arose the problem that setting was disabled of a mode of the lens unit from the side of the camera
unit.--

{ Please substitute the following paragraph for the paragraph starting at page 2,
line 5 and ending at line 17. A marked-up copy of this paragraph, showing the changes made
thereto is attached.

a3 { The changeover function between these remote/local modes is provided as an
interface between a large-size TV camera unit, used conventionally in studios etc., and the lens
unit. The interface between the large TV camera unit and the lens unit is constructed as a system
of so-called parallel connection in which each connector pin is assigned to a signal of one
function, using a large connector with many pins. In this system a remote/local changeover
signal is sent to the lens unit by use of a dedicated wire through one connector pin. Under this

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setup, the remote/local signal from the CCU or from the camera unit is transmitted to the photographing lens at the same time as turning on of power, so that either the remote mode or the local mode is set instantly in the lens unit.

Please substitute the following paragraph for the paragraph starting at page 3, line 1 and ending at line 13. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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However, desires are increasing recently for the autofocus system for outdoor photography as well, and thus the autofocus function is also demanded for the small TV camera units. This raised the necessity for exchange of much information between the small TV camera unit with the autofocus function, and the lens unit. The parallel interface of the small connector is, however, short of connector pins, and thus a digital serial interface is also added to the existing parallel interface, whereby exchange of much information is made by digital signals. Further, the digital serial interface is provided with the changeover function between the remote mode and the local mode of focusing.

Please substitute the following paragraph for the paragraph starting at page 4, line 2 and ending at line 12. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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One aspect of the application is to provide a lens unit or a camera system, the lens unit being connected to a camera unit and being selectively set either in a mode in which control is effected according to a control signal from the lens unit or in a mode in which control

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Correct.

is effected according to a control signal from the camera unit, wherein the lens unit comprises a setting circuit for setting the mode in which control is effected according to the control signal from the lens unit, when communication is absent from the camera unit after turning on of power.

Please substitute the following paragraph for the paragraph starting at page 4, line 13 and ending at line 25. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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One aspect of the application is to provide a lens unit having a serial interface, wherein when no signal for mode setting is input through a digital serial interface of a small TV camera unit at turning on of power, it is determined that the small TV camera unit mounted is a small TV camera unit without the digital serial interface, and wherein a focus control mode is automatically set in a local mode for controlling the lens unit by a demand incorporated in or connected to the lens unit, whereby the lens unit with the serial interface can be used in combination with the small TV camera unit without the digital serial interface without any trouble.

Please substitute the following paragraph for the paragraph starting at page 4, line 26 and ending at page 5, line 6. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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One aspect of the application is to provide a lens unit or a camera system wherein after turning on of power the focus control mode is first set in the mode in which control

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is effected according to the control signal from the lens unit and wherein when communication is absent from the camera unit thereafter, the mode in which control is effected according to the control signal from the lens unit is maintained.

Please substitute the following paragraph for the paragraph starting at page 5, line 7 and ending at line 13. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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One aspect of the application is to provide a lens unit or a camera system, wherein at turning on of power the focus control mode is forced into the mode in which control is effected according to the control signal from the lens unit and wherein when serial digital communication is absent thereafter, the mentioned mode is maintained.

Please substitute the following paragraph for the paragraph starting at page 6, line 25 and ending at page 7, line 8. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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The lens unit 1 is provided with a remote/local changeover switch (SW1) 11 for changeover between the remote mode and the local mode of focus control, a CPUa 12 having a digital serial communication function, a lens focus system 14, a focus driving circuit 15 for driving the focus system 14, a lens wobbling system 16, a wobbling driving circuit 17 for driving the wobbling system 16, and a display 18. An external focus demand 13, which is manipulated by a cameraman, is connected to the remote/local changeover switch (SW1) 11.

Please substitute the following paragraph for the paragraph starting at page 7, line 17 and ending at line 24. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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The small TV camera unit 3 is provided with a CPUb 31 having the serial communication function and a display 32 such as a view finder. The CPUb 31 is connected through the digital serial interfaces to the CPUa 12 of the lens unit 1, whereby the CPUs can exchange much information including information from a remote/local changeover switch 42 as described hereinafter.

Please substitute the following paragraph for the paragraph starting at page 8, line 10 and ending at line 19. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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In step 51 the CPU detects power on of the power supply of the lens unit 1. The power to the lens unit 1 is supplied from either the camera unit 2 or the camera unit 3. If the camera unit 2 or 3 and the lens unit 1 are electrically connected before power on of the power supply, the power supply of the camera unit 2 or 3 and the lens unit 1 will become on simultaneously accordingly. The lens unit 1 is also allowed to be connected to the camera unit 2 or 3 later in a state where the power is already on in the camera unit 2 or 3.

Please substitute the following paragraph for the paragraph starting at page 8, line 20 and ending at page 9, line 10. A marked-up copy of this paragraph, showing the changes made thereto is attached.

With detecting power on of the power, the CPU proceeds to step 52 to determine whether there is input of a serial signal (mode setting information, information of manipulation of the focus demand 41, etc.) from the camera unit connected to the lens unit 1. When the camera unit 2 is connected to the lens unit 1, no serial signal is input to the CPUa 12, because the camera unit 2 has no digital serial interface. On the other hand, when the camera unit 3 is connected to the lens unit 1, the CPUb 31 of the camera unit 3 is operating before or starts operating at the same time as the CPUa 12 of the lens unit 1 does, responsive to the up timing of power described above. When the CPUa 12 determines whether a serial signal is input from the camera unit, the serial signal is already outputted from the CPUb 31 of the camera unit 3 or the serial signal will be outputted from the CPUb 31 with a lapse of some time accordingly.

Please substitute the following paragraph for the paragraph starting at page 12, line 19 and ending at page 13, line 10. A marked-up copy of this paragraph, showing the changes made thereto is attached.

From the side of the lens unit 1, there is no difference between the focus control based on the manipulation information of the focus demand 41 of the CCU 4 and the focus control based on the AF information from the camera unit 3 in the sense that the focus control of the lens unit 1 is carried out according to the information from the camera unit, but it is more convenient for the cameraman to be informed of the difference between the control forms. It is thus

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desirable in step 55 described above to display setting of the remote mode as described above and to display CCU/AF (the focus control according to the manipulation information from the CCU 4 / the focus control according to the AF information from the camera unit 3) by turning on/off of a display lamp 20 or 13b or to display characters in the view finder, as shown in Figs. 6A and 6B or in Figs. 7B and 7C. In another preferred setup, the three kinds, CCU, AF, and local, may be displayed by turning on of respective display lamps.

Please substitute the following paragraph for the paragraph starting at page 14, line 16 and ending at line 21. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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By employing the arrangement wherein the local mode is first set by turning on of power as described, the cameraman, even using the camera unit 2 without the serial interface, can start the focus operation while manipulating the focus demand 13 connected to the lens unit 1 immediately after turning on of power.

IN THE ABSTRACT

Please substitute the following paragraph for the paragraph starting at page 21, line 2 and ending at line 17. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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A lens unit being connected to the camera unit and being selectively set either in a mode in which control is effected according to a control signal from the lens unit or in a mode in which control is effected according to a control signal from the camera unit, wherein